

ntern Application No

PCT/GB 03/04915

A. CLASSIFICATION OF SUBJECT MATTER 1PC 7 A61K31/4709 C07D417/12 C07D401/12 A61P3/10

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (dassification system followed by classification symbols) IPC 7 - C070

Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
WO 2002 024682 A (JANSSEN PHARMACEUTICA N.V., BELG.) 28 March 2002 (2002-03-28) page 22, line 36 -page 27, line 17; claims page 43	1
WO 2000 026202 A (PHARMACIA & UPJOHN S.P.A., ITALY) 11 May 2000 (2000-05-11) page 72, line 22,23; claims 1,6,7	1
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	N.V., BELG.) 28 March 2002 (2002-03-28) page 22, line 36 -page 27, line 17; claims page 43  WO 2000 026202 A (PHARMACIA & UPJOHN S.P.A., ITALY) 11 May 2000 (2000-05-11) page 72, line 22,23; claims 1,6,7

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the International filling date  'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or other means  'P' document published prior to the international filing date but later than the priority date claimed	T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "V" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "8" document member of the same patent family
Date of the actual completion of the international search  5 March 2004	Date of mailing of the international search report  31/03/2004
Name and malling address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tet (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Gavriliu, D

Form PCT/ISA/210 (second sheet) (July 1892)



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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with Indication, where appropriate, of the relevant passages	
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Υ	EDMONT, D. ET AL: "Synthesis and evaluation of quinoline carboxyguanidines as antidiabetic agents" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS (2000), 10(16), 1831-1834, XP004216010 the whole document	1-10
Υ	WO 02 46173 A (HOFFMANN LA ROCHE) 13 June 2002 (2002-06-13) page 80 -page 84; claims; examples 10,11,15,22,23,25,29,30,35	1-10
Υ	WO 00 58293 A (HOFFMANN LA ROCHE) 5 October 2000 (2000-10-05) cited in the application page 331-333; claims; examples 154,61-80,82,86-105,107-26	1-10
P,X	WO 2003 082838 A (SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, PEO) 9 October 2003 (2003-10-09) compound 27-page 5 abstract	



onal application No. rCT/GB 03/04915

Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet) This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely: Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210 Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a). Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet) This International Searching Authority found multiple inventions in this International application, as follows: As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.: No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The present claims do not meet the requirements of Article 6 PCT in that the matter for which the protection is sought is not clearly defined. The functional term "prodrug" does not enable the skilled person to determine which technical features are necessary to perform the stated function. A lack of a clarity whithin the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search does not include prodrugs of the compounds of formula I.

It should be noted that the 20 compounds from chemcats are a selection of 327 compounds corresponding to 885 citations in chemcats. 119 citations from 885 have the publication date before 2003. All the compounds involved may become relevant in the assessment of novelty.

It is however not excluded that further compounds/citations are also published before the priority date of the present application, because the publication date indicated in the catalogs of chemcats represent always the newest version.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.